

Patent Claims

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1. A socket contact (1) consisting of a back-up spring (3) and a base spring (2), said back-up spring (3) enclosing the base spring (2) in box-like manner with a first wall (11), a second wall (12), a third wall (13) and divided fourth wall (14), and with at least two connecting lugs (23) being formed on one wall section (14a) for connecting the wall sections (14a, 14b) of the divided fourth wall (14) to each other in positive manner, said connecting lugs being arranged in the front and rear portions of the wall section (14a) as seen in the direction of insertion of the socket contact (1),

characterized in that the other wall section (14b) is formed with a recess (24) for each connecting lug (23) and that said connecting lugs (23) are passed through the recesses (24) and bent over, and the two wall sections (14a, 14b) overlap over the full length of the back-up spring (3).

2. The socket contact of claim 1, characterized in that a lower wall section (14a) and an upper wall section (14b) are formed by said overlapping of the wall sections (14a, 14b) of the back-up spring (3), and the connecting lugs (23) are formed on the lower wall section (14a) and the recesses (24) are formed on the upper wall section (14b).

3. The socket contact of claim 2, characterized in that at least one recess (24) is formed as an elongate hole in the upper wall section (14b).

4. The socket contact of claim 2, characterized in that at least one recess (24) is formed as U-shaped recess on the terminal-side or contact-side edge of the upper wall section (14b).

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5. The socket contact of any of claims 1 to 4, characterized in that the connecting lugs (23), after being bent over, are deformed such that they are supported on the walls of the recesses (24).
6. The socket contact of claim 5, characterized in that the deformation of the connecting lugs (23) is effected by press-fitting or introducing one or more notches (25) on the upper side of the connecting lugs (23).
7. The socket contact of any of claims 1 to 6, characterized in that a locking hook (15) extending in the longitudinal direction of the back-up spring (3) is cut out and bent outwardly from the first wall (11).
8. The socket contact of any of claims 2 to 7, characterized in that the upper wall section (14b), in front of said overlapping portion, has a crank (26) with the material thickness of the lower wall section (14a).
9. The socket contact of any of claims 2 to 8, characterized in that the lower wall section (14a) is formed with a polarizing member (28).
10. The socket contact of any of claims 1 to 9, characterized in that, for mounting the back-up spring on the base spring (2), there are formed folding lugs (19, 20) on the opposing second and third walls (12, 13) of the back-up spring (3), with said folding lugs being adapted to be bent inwardly and engaging in corresponding openings (21, 22) on the base spring (2).

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